

PIZZA SALES SQL QUERIES

A. KPI's

1.Total Revenue:

```
select sum(total_price) as Total_Revenue from pizza_sales;
```

Results		Messages
Total_Revenue		
1	817860.05083847	

2.AVERAGE ORDER VALUE:

```
select sum(total_price) / count(DISTINCT order_id) as Avg_Order_Value from pizza_sales;
```

Results		Messages
Avg_Order_Value		
1	38.3072623343546	

3. TOTAL PIZZA SOLD:

```
select sum(quantity) as Total_Pizza_Sold from pizza_sales;
```

Results		Messages
Total_Pizza_Sold		
1	49574	

4. TOTAL ORDERS:

```
select COUNT(DISTINCT order_id) as Total_Orders from pizza_sales;
```

Results		Messages
Total_Orders		
1	21350	

5. AVERAGE PIZZA PER ORDER: The average no pizza sold per order, calculated by deviding the total no pizzas sold by the total no of orders

```
select cast(cast(sum(quantity) as DECIMAL (10,2)) /  
cast(count(distinct order_id) as DECIMAL (10,2)) as DECIMAL (10,2))  
as avg_pizza_per_order from pizza_sales;
```

Results		Messages
avg_pizza_per_order		
1	2.32	

B.Requirement

1.DAILY TRENDS FOR TOTAL ORDERS:

```
Select DATENAME(DW, order_date) as order_day, COUNT(DISTINCT order_id) as  
Total_Orders  
from pizza_sales  
group by DATENAME(DW, order_date);
```

	order_day	Total_Orders
1	Saturday	3158
2	Wednesday	3024
3	Monday	2794
4	Sunday	2624
5	Friday	3538
6	Thursday	3239
7	Tuesday	2973

2.MONTHLY TRENDS FOR TOTAL ORDERS:

```
select datename(Month, order_date) as Order_Month, COUNT(distinct Order_id) as  
Total_orders  
from pizza_sales  
group by DATENAME(MOnth, order_date)  
order by COUNT(DISTINCT order_id) desc;
```

	Order_Month	Total_orders
1	July	1935
2	May	1853
3	January	1845
4	August	1841
5	March	1840
6	April	1799
7	November	1792
8	June	1773
9	February	1685
10	December	1680
11	September	1661
12	October	1646

3.PERCENTAGE OF SALES BY PIZZA CATEGORY:

```
SELECT pizza_category, sum(total_price) as Total_sales, sum(total_price) * 100/ (select  
sum(total_price) from pizza_sales) as PCT  
from pizza_sales  
group by pizza_category;
```

	pizza_category	Total_sales	PCT
1	Classic	220053.100021362	26.9059602306976
2	Chicken	195919.5	23.9551375322885
3	Veggie	193690.451004028	23.6825910258677
4	Supreme	208196.99981308	25.4563112111462

4. PERCENTAGE OF SALES BY PIZZA SIZE:

```
SELECT pizza_size, sum(total_price) as Total_sales, sum(total_price) * 100 / (select
sum(total_price) from pizza_sales) as PCT
from pizza_sales
group by pizza_size
order by PCT DESC;
```

	pizza_size	Total_sales	PCT
1	L	375318.701004028	45.8903330244889
2	M	249382.25	30.492044420599
3	S	178076.49981308	21.7734684107037
4	XL	14076	1.72107684995364
5	XXL	1006.6000213623	0.123077294254725

5. TOTAL PIZZA SOLD BY PIZZA CATEGORY:

```
select pizza_category, sum(total_price) as total_sales, sum(total_price) * 100 / (select
sum(total_price) from pizza_sales) as PCT
from pizza_sales
group by pizza_category
order by PCT DESC;
```

	pizza_category	total_sales	PCT
1	Classic	220053.100021362	26.9059602306976
2	Supreme	208196.99981308	25.4563112111462
3	Chicken	195919.5	23.9551375322885
4	Veggie	193690.451004028	23.6825910258677

6. TOP 5 BEST PIZZA BY REVENUE:

```
SELECT Top 5 pizza_name, sum(total_price) as Total_Revenue
from pizza_sales
group by pizza_name
order by Total_Revenue DESC;
```

Results Messages		
	pizza_name	Total_Revenue
1	The Thai Chicken Pizza	43434.25
2	The Barbecue Chicken Pizza	42768
3	The California Chicken Pizza	41409.5
4	The Classic Deluxe Pizza	38180.5
5	The Spicy Italian Pizza	34831.25

7.BOTTOM 5 BEST PIZZA BY REVENUE

```
select Top 5 pizza_name, sum(total_price) as Total_Revenue
from pizza_sales
group by pizza_name
order by Total_Revenue ASC;
```

Results Messages		
	pizza_name	Total_Revenue
1	The Brie Carre Pizza	11588.4998130798
2	The Green Garden Pizza	13955.75
3	The Spinach Supreme Pizza	15277.75
4	The Mediterranean Pizza	15360.5
5	The Spinach Pesto Pizza	15596

6.TOP 5 BEST PIZZA BY QUANTITY:

```
SELECT TOP 5 pizza_name, sum(quantity) as Total_Quantity
from pizza_sales
group by pizza_name
order by Total_Quantity DESC
```

Results Messages		
	pizza_name	Total_Quantity
1	The Classic Deluxe Pizza	2453
2	The Barbecue Chicken Pizza	2432
3	The Hawaiian Pizza	2422
4	The Pepperoni Pizza	2418
5	The Thai Chicken Pizza	2371

7.BOTTOM 5 BEST PIZZA BY QUANTITY:

```
SELECT TOP 5 pizza_name, sum(quantity) as Total_Quantity
from pizza_sales
group by pizza_name
order by Total_Quantity ASC;
```

Results Messages		
	pizza_name	Total_Quantity
1	The Brie Carre Pizza	490
2	The Mediterranean Pizza	934
3	The Calabrese Pizza	937
4	The Spinach Supreme Pizza	950
5	The Soppressata Pizza	961

8. TOP 5 BEST PIZZA BY TOTAL ORDERS:

```
Select top 5 pizza_name, count(DISTINCT order_id) as Total_Count
from pizza_sales
group by pizza_name
order by Total_Count DESC;
```

Results Messages		
	pizza_name	Total_Count
1	The Classic Deluxe Pizza	2329
2	The Hawaiian Pizza	2280
3	The Pepperoni Pizza	2278
4	The Barbecue Chicken Pizza	2273
5	The Thai Chicken Pizza	2225

10.BOTTOM 5 BEST PIZZA BY TOTAL ORDERS:

```
Select top 5 pizza_name, count(DISTINCT order_id) as Total_Count
from pizza_sales
group by pizza_name
order by Total_Count ASC;
```

Results Messages		
	pizza_name	Total_Count
1	The Brie Carre Pizza	480
2	The Mediterranean Pizza	912
3	The Spinach Supreme Pizza	918
4	The Calabrese Pizza	918
5	The Chicken Pesto Pizza	938